

# Awards Made for Solicitation

## NIJ FY 11 Applied Research and Development in Forensic Science for Criminal Justice Purposes

Number of Awards: 22

Total Amount Awarded: \$8,230,065.00

Award Title	Awardee	Award Number	Award Amount	Location	Fiscal Year
Microfluidic System for Automated Dye Molecule Extraction and Detection for Forensic Fiber Identification	North Carolina State University	2011-DN-BX-K561	\$537,098.00	NC	2011
Automated Multianalyte Screening Tool for Classification of Forensic Samples	Advanced Liquid Logic, Inc.	2011-DN-BX-K556	\$996,237.00	NC	2011
Graphical User Interface for a Multi-Factorial Age-At-Death Estimation Method Using Fuzzy Integrals	The Florida International University	2011-DN-BX-K538	\$417,595.00	FL	2011
DEVELOPMENT OF A MODERN COMPENDIUM OF MICROCRYSTAL TESTS FOR ILLICIT DRUGS AND DIVERTED PHARMACEUTICALS	McCrone Research Institute	2011-DN-BX-K528	\$199,712.00	IL	2011
The Behavior of Contamination and Methods for Extraction and Capture of Low Copy Number and Degraded DNA.	Washington State University Pullman	2011-DN-BX-K549	\$249,867.00	WA	2011
Computerized Reconstruction of Fragmentary Skeletal Remains for Purposes of Extracting Osteometric Measurements and Estimating MNI	University of Tennessee	2011-DN-BX-K537	\$514,495.00	TN	2011
Low-template DNA mixture interpretation: Determining the number of contributors	Trustees of Boston University, BUMC	2011-DN-BX-K558	\$464,617.00	MA	2011
Comprehensive Forensic Toxicological Analysis Of Designer Drugs	The Florida International University Board of Trustees	2011-DN-BX-K559	\$143,225.00	FL	2011
Rapid and selective extraction of male DNA from rape kits and other forensic evidence using pressure cycling	Florida International University	2011-NE-BX-K550	\$349,130.00	FL	2011
Examining the Effects of Environmental Degradation	McCrone Research Institute	2011-DN-BX-K548	\$370,539.00	IL	2011
Smartphone Technology for Capturing Untreated Latent Fingerprints	EOIR Technologies, Inc.	2011-DN-BX-K536	\$208,085.00	VA	2011
Degraded Ignitable Liquids Database: An Applied Study of Weathering and Bacterial Degradation on the Chromatographic Patterns of ASTM E 1618 Ignitable Liquid Classes	The University of Central Florida	2011-DN-BX-K539	\$470,545.00	FL	2011
Raman spectroscopy for analyzing body fluid traces, stain aging, differentiation between races, genders and species	The Research Foundation of SUNY, University at Albany	2011-DN-BX-K551	\$615,575.00	NY	2011
Developing Guidelines for the Application of Multivariate Statistical Analysis to Forensic Evidence	Michigan State University	2011-DN-BX-K560	\$272,220.00	MI	2011
Use of pressure cycling technology to enhance DNA yield and profile success in touch samples.	Harris County, Texas	2011-DN-BX-K554	\$76,778.00	TX	2011
Automated Sperm Detection in forensic DNA analysis: Implications for Rape Kit Analysis	Arryx, Inc	2011-DN-BX-K562	\$360,748.00	IL	2011

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Comparison of Microspectrophotometry and Room-Temperature Fluorescence Excitation-Emission Matrix Spectroscopy for Non-Destructive Forensic Fiber Examination	The University of Central Florida	2011-DN-BX-K553	\$241,257.00	FL	2011
Development of an Immuno-Magnetic Procedure for the Separation of Spermatozoa from Vaginal Epithelial Cells	Research Foundation of CUNY c/o John Jay College	2011-NE-BX-K547	\$196,720.00	NY	2011
Assessing the Probative Value of Physical Evidence at Crimes Scenes with Ambient Mass Spectrometry and Portable Instrumentation	Illinois State University	2011-DN-BX-K552	\$396,780.00	IL	2011
Forensic Identification of an Individual in Complex Mixtures Utilizing SNP Technology	Orchid Cellmark	2011-DN-BX-K555	\$224,968.00	TX	2011
Pediatric Fracture Printing: Creating a Science of Statistical Fracture Signature Analysis	Michigan State University	2011-DN-BX-K540	\$681,147.00	MI	2011
Raman spectroscopy of automotive and architectural pigments: in situ identification and evidentiary significance.	Microtrace LLC	2011-DN-BX-K557	\$242,727.00	IL	2011